

§ 471.24

40 CFR Ch. I (7–1–13 Edition)

SUBPART B—NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pound pers million off-pounds) of magnesium surface treated	
Chromium .....	0.700	0.284
Zinc .....	1.93	0.794
Ammonia .....	252	111
Fluoride .....	113	49
Oil and grease .....	18.9	18.9
TSS .....	28.4	22.7
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(h) *Sawing or grinding spent emulsions.*

SUBPART B—NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium sawed or ground	
Chromium .....	0.007	0.003
Zinc .....	0.020	0.008
Ammonia .....	2.60	1.15
Fluoride .....	1.16	0.515
Oil and grease .....	0.195	0.195
TSS .....	0.293	0.234
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(i) *Degreasing spent Solvents—subpart B—NSPS.* There shall be no discharge of process wastewater pollutants.

(j) *Wet air pollution control scrubber blowdown.*

SUBPART B—NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium sanded and repaired or forged	
Chromium .....	0.229	0.093
Zinc .....	0.632	0.260
Ammonia .....	82.5	36.3
Fluoride .....	36.9	16.4
Oil and grease .....	6.19	6.19
TSS .....	9.29	7.43
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

[50 FR 34270, Aug. 23, 1985; 51 FR 2884, Jan. 22, 1986]

§ 471.24 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and by August 23, 1988 achieve the following pretreatment standards for existing sources (PSES). The mass of wastewater pollutants in magnesium forming process wastewater introduced into a POTW shall not exceed the following values:

(a) *Rolling spent emulsions.*

SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium rolled with emulsions	
Chromium .....	0.033	0.014
Zinc .....	0.109	0.046
Ammonia .....	9.95	4.37
Fluoride .....	4.44	1.97

(b) *Forging spent lubricants—subpart B—PSE.* There shall be no discharge of process wastewater pollutants.

(c) *Forging contact cooling water.*

SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium cooled with water	
Chromium .....	0.127	0.052
Zinc .....	0.422	0.177
Ammonia .....	38.5	17.0
Fluoride .....	17.2	7.63

(d) *Forging equipment cleaning wastewater.*

SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium forged	
Chromium .....	0.002	0.0007
Zinc .....	0.006	0.003
Ammonia .....	0.532	0.234
Fluoride .....	0.238	0.106

## Environmental Protection Agency

## § 471.25

(e) *Direct chill casting contact cooling water.*

### SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium cast with direct chill methods	
Chromium .....	1.74	0.711
Zinc .....	5.77	2.41
Ammonia .....	527	232
Fluoride .....	235	105

(f) *Surface treatment spent baths.*

### SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium surface treated	
Chromium .....	0.205	0.084
Zinc .....	0.681	0.285
Ammonia .....	62.1	27.3
Fluoride .....	27.8	12.3

(g) *Surface treatment rinse.*

### SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium surface treated	
Chromium .....	0.832	0.340
Zinc .....	2.76	1.16
Ammonia .....	252	111
Fluoride .....	113	49.9

(h) *Sawing or grinding spent emulsions.*

### SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium sawed or ground	
Chromium .....	0.009	0.004
Zinc .....	0.029	0.012
Ammonia .....	2.60	1.15
Fluoride .....	1.16	0.515

(i) *Degreasing Spent Solvents—subpart B—PSES.* There shall be no discharge of process wastewater pollutants.

(j) *Wet air pollution control scrubber blowdown.*

### SUBPART B—PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium sanded and repaired or forged	
Chromium .....	0.273	0.112
Zinc .....	0.904	0.378
Ammonia .....	8.25	36.3
Fluoride .....	36.9	16.4

[50 FR 34270, Aug. 23, 1985; 51 FR 2884, Jan. 22, 1986]

### § 471.25 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources (PSNS). The mass of wastewater pollutants in magnesium forming process wastewater introduced into a POTW shall not exceed the following values:

(a) *Rolling spent emulsions.*

### SUBPART B—PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of magnesium rolled with emulsions	
Chromium .....	0.028	0.011
Zinc .....	0.076	0.032
Ammonia .....	9.95	4.37
Fluoride .....	4.44	1.97

(b) *Forging spent lubricants—subpart B—PSNS.* There shall be no discharge of process wastewater pollutants.

(c) *Forging contact cooling water.*

### SUBPART B—PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of forged magnesium cooled with water	
Chromium .....	0.107	0.044
Zinc .....	0.295	0.122
Ammonia .....	38.5	17.0
Fluoride .....	17.2	7.63